



NOTES:

Headwall where required will be provided for nonskewed culverts having a diameter or rise of 36" or less. Reinforcing Steel Bars shall be 5/8 inch round.

Dimensions and quantities are shown for circular sections only. It will be necessary to determine dimensions for the headwall required for reinforced elliptical concrete pipe or corrugated metal pipe arches in accordance with the equations listed on this drawing.

Concrete shall be Class "C".

The soil must have a bearing capacity of 2600 pounds per square foot prior to placing the headwall.

DIMENSIONS		
Diameter	H	L
8" thru 15"	6'-0"	8'-4"
18"	6'-0"	8'-4"
21"	6'-0"	11'-0"
24"	6'-0"	11'-0"
30"	7'-0"	13'-8"
36"	7'-0"	16'-4"

L	Circular Sections	= $5D+4t$
L	Elliptical or Pipe-Arch	= $4R+t+S$
H	Circular Sections	= $D+t+44"$
H	Elliptical or Pipe-Arch	= $R+t+44"$

D = Diameter of Pipe
R = Rise of Pipe
S = Span of Pipe
t = Thickness of Barrel
L = Length of Headwall
H = Height of Headwall

[Signature]
STORMWATER PROGRAM MANAGER

[Signature]
ADMINISTRATOR

12/15/93
APPROVED

REVISED

PRECAST PIPE CULVERT HEADWALLS 8" TO 36" DIA.

CITY OF COLUMBUS
DEPARTMENT OF
PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE

STANDARD
CONSTRUCTION DRAWING

DR. W.C.K.
CK. _____

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